Abstract

Three-layer, highly oriented polyester films having an A-B-C layer construction, preferably made of polyethylene terephthalate, which, in addition to a base layer B have a smooth surface layer A which contains no external particles and a rough surface layer C which contains external particles such as antiblocking agents or pigments, preferably SiO_2, in defined amounts and particle sizes, and the surface layer C is additionally provided with an acrylate-containing layer D feature in particular good producibility and processibility, high gloss of the film surface A and low opacity. The very smooth surface A is suitable in particular for coating with materials, for example SiO_x, by means of plasma polymerization of hexamethyldisiloxane by the CVD or PECVD method, which provides the film with a high oxygen barrier and is suitable in particular as packaging for light- and air-sensitive foods or other consumable items.

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